

## **Abstract**

There is provided a communication device which can search for a desired communication device and request a service, without being conscious of the status of the power supply of other communication devices on a network, and achieve a reduction in power consumption. A communication device 100 includes a main processing unit 110 to process main service provided for other communication devices, a network processing unit 120 to transmit and receive a request packet and a response packet among other communication devices, and an integrated power supply unit 150 to stop supplying power to the main processing unit 110 in a state of being able to supply it again and to supply the power to the network processing unit 120, wherein the network processing unit 120 is provided with an automatic responding unit 703 to determine whether or not it can respond to the received request packet only by itself and, when the response is possible, to transmit the response packet to the communication device, and a power supply controlling unit 704, when the response is not possible, to control a main-power supply unit 151 to supply the power to the main processing unit 110.

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